|   | Index of Claims        |          |                      |          |                 |                    |          |           |          |           |          |      |        | Application No. |                        |          |                |         |          |  |  |              |          | Applicatings |              |                 |                 |         |         |           |           |           |              |   |
|---|------------------------|----------|----------------------|----------|-----------------|--------------------|----------|-----------|----------|-----------|----------|------|--------|-----------------|------------------------|----------|----------------|---------|----------|--|--|--------------|----------|--------------|--------------|-----------------|-----------------|---------|---------|-----------|-----------|-----------|--------------|---|
|   |                        |          |                      |          |                 |                    |          |           |          |           |          |      |        |                 | 10/722,240<br>Examiner |          |                |         |          |  |  |              |          |              | DUMAN, ROGER |                 |                 |         |         |           | R /       | ۹.        |              |   |
|   |                        |          |                      |          |                 |                    |          |           |          |           |          |      |        |                 |                        |          |                |         |          |  |  |              |          |              | Art Unit     |                 |                 |         |         |           |           |           |              |   |
|   |                        |          |                      |          |                 |                    |          |           |          |           |          |      |        |                 | Doton T dollars        |          |                |         |          |  |  |              |          |              | 0754         |                 |                 |         |         |           |           |           |              |   |
|   |                        | 110010   | 1 1161               |          | 111 1881        |                    | 111      |           |          |           |          | •    |        |                 |                        |          | Peter T deVore |         |          |  |  |              |          |              |              |                 | 3751            |         |         |           |           |           |              |   |
|   |                        |          |                      |          |                 |                    | $\neg$   |           | Г        | _         |          |      |        |                 |                        |          |                | ٦       | _        | T  |  |              |          |              |              |                 |                 |         |         |           |           | _         |              |   |
|   |                        |          | ۷.                   | R        | eje             | cte                | d        |           |          | _         | (        | Th   | rou    | gh n            | um                     | era      | I)             |         | N        | N  | lon-l  | Ξle          | ct       | ed           |              | A               |                 | A       | pe      | al        |           | ŀ         |              |   |
|   | = Allowed + Restricted |          |                      |          |                 |                    |          |           |          |           |          | _    | N      |                 |                        |          |                |         |          |  |  |              |          |              | _            |                 |                 |         |         |           |           |           |              |   |
|   |                        |          |                      |          |                 |                    |          |           |          | stric     | tricted  |      |        |                 | ı                      | ۱,       | Interference   |         |          |  |  | 0            | Objected |              |              |                 |                 |         |         |           |           |           |              |   |
| • |                        |          |                      | Ĺ        |                 |                    | _        |           | Į        |           |          |      |        |                 |                        |          |                |         | Ŀ        |  |  |              |          |              |              |                 | Objected        |         |         |           |           |           | •            |   |
| ſ | Claim Date             |          |                      |          |                 |                    |          |           |          | - Claims  |          |      |        |                 |                        |          | Date Claim     |         |          |  | _•   | 1            |          |              | _            |                 |                 |         |         | 1         |           |           |              |   |
| ł | Cla                    |          |                      |          |                 |                    |          |           |          |           |          |      | - Cla  | Claim           |                        |          |                | Date    | •        | 1  | <del></del>                                      |              |          |              | $\vdash$     | Date            |                 |         |         | Т         | т-        | Т         | ]            |   |
|   | Final                  | Original | WITCH                |          |                 |                    |          |           | -        |           |          |      | Final  | Original        | 1                      |          |                |         |          | ŀ  |  |              |          | Final        | Original     |                 | 1               |         |         |           |           |           |              |   |
|   | نتّ                    | Orig     | ゲ                    |          |                 |                    |          |           |          |           |          |      | ᄩ      | Ö               |                        |          | 1              |         |          |  |  |              |          | 這            | Öjö          |                 |                 |         | ı       |           |           |           |              |   |
|   |                        |          | 3                    |          | Н               | 4                  | _        | _         | 4        | _         | 4        |      |        |                 | _                      | -        | _              | _       | _        | <u> </u>   | $\vdash$   | 4:           | -        |              |              |                 | _               | 4       | 4       | 4         | 4         | -         | <del> </del> |   |
| ŀ |                        | 2        | <u> </u>             |          | $\vdash$        | $\dashv$           | $\dashv$ | +         | $\dashv$ | $\dashv$  | -        | -    | -      | 51<br>52        | $\dashv$               | +        | +              | +-      | _        | ╁  | ╀  | - ::         | -        |              | 101<br>102   | $\vdash$        | +               | +       | +       | +         | ╁         | +         | ╁╌           |   |
| ŀ |                        | 3        | H                    | -        | H               | 十                  | $\dashv$ | $\dashv$  | +        | $\dashv$  | -        |      | $\neg$ | 53              |                        | +        | +              | +-      | _        | <del>                                     </del> |  | -            | 1        |              | 103          | $\vdash$        | _               | 十       | 十       | ╅         | +         | ╅         | T            |   |
| İ |                        | 4        |                      |          |                 |                    |          |           | T        |           |          |      |        | 54              |                        |          |                |         |          |  |  |              |          |              | 104          |                 |                 |         |         |           |           |           |              |   |
| [ |                        | 5        |                      |          |                 |                    |          |           | $\Box$   |           |          |      |        | 55              |                        |          |                |         |          |  |  |              |          |              | 105          |                 |                 |         |         |           |           |           |              |   |
| ļ |                        | 6        | Щ                    | _        |                 | _                  | _        | _         | _        | _         | _        |      |        | 56              | $\dashv$               | _        | 4              |         |          | ↓_   |  | <b>-</b>  :: | -        |              | 106          |                 | _               | _ -     | - -     | _ _       | 4         | 4         | ↓_           |   |
| } |                        | 7        | 1                    | _        | $\vdash$        | +                  | -        | 4         | $\dashv$ | $\dashv$  |          | :: - |        | 57<br>58        | -                      | +        |                |         | _        | ├  | ├-├-   | - :          |          |              | 107<br>108   | $\vdash$        | +               | +       | -       | -         | +         | +         | $\vdash$     |   |
|   |                        | 9        | , ,                  |          | $\vdash$        | $\dashv$           | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | -        |      |        | 59              | -                      | -        | ╬              | +       |          | ┼  | ╁┼   | -            | -        |              | 109          | Н               | <del> -</del> - | +       | ╁       |           | +         | ┽         |              |   |
|   |                        | 10       | 7                    |          | $\vdash$        | $\dashv$           | +        | $\dashv$  | $\dashv$ | $\dashv$  | ⊣։       | H    |        | 60              |                        | $\dashv$ | +              | +       |          | $\vdash$   | $\vdash \vdash$                                  | ٦:           | ŀ        |              | 110          | $\vdash$        | <u>_</u>        | $^{+}$  | +       | $\top$    | $\dagger$ | $\dagger$ |              |   |
| ĺ |                        | 11       | J                    |          |                 |                    |          |           |          |           | ]:       |      |        | 61              |                        |          | $\top$         |         |          |  |  |              |          |              | 111          |                 |                 |         |         |           |           |           |              |   |
| ĺ |                        | 12       | 4                    |          | П               | $\Box$             |          |           |          |           | $\Box$   |      |        | 62              |                        |          | $\perp$        |         |          |  |  |              |          |              | 112          |                 |                 | 4       | T       |           | $\perp$   |           |              |   |
|   | <u> </u>               | 13       | $\sqcup$             |          | $\sqcup$        | _                  | _        | _         | 4        | 4         | _        |      |        | 63              | $\Box$                 | _        | +              | _       |          | ╙  | $\sqcup$   | 4            |          |              | 113          |                 |                 | $\perp$ | $\perp$ | _         | +         | $\perp$   |              |   |
| } |                        | 14<br>15 | ╁                    |          | -               | -                  | +        | +         | $\dashv$ | $\dashv$  | -        | -    |        | 64<br>65        | $\vdash$               | +        | +              | +       |          | ┢  | $\vdash$   | - :          | -        |              | 114<br>115   | $\vdash$        |                 |         | - -     |           | +         | - -       | +            |   |
|   |                        | 16       | Н                    |          | $\vdash$        | $\dashv$           | $\dashv$ | +         | $\dashv$ | $\dashv$  | -        | ŀ    |        | 66              | -                      | +        | +              | +       |          | ╁  | ┝  | $\dashv$     | ŀ        |              | 116          | $\vdash$        | <del></del> -   | +       | ╁       |           | +         | ╁         | $\vdash$     |   |
|   |                        | 17       | Н                    |          | H               | $\dashv$           | 1        | $\dashv$  | $\dashv$ | $\dashv$  | -        | ı    | -      | 67              | -                      | $\dashv$ | - -            |         |          | +  | $\vdash$   | ┧.           | ŀ        |              | 117          | T               | $\dashv$        | +       | +       | ╁         | +         | +         | +            |   |
|   |                        | 18       |                      |          | $\Box$          | $\Box$             |          |           |          |           |          |      |        | 68              |                        |          |                |         |          |  |  | ]            |          |              | 118          |                 |                 |         |         | Ī         | 1         |           |              |   |
|   |                        | 19       | Ш                    |          |                 |                    |          |           |          |           |          |      |        | 69              |                        | $\perp$  |                |         |          |  |  | ]            |          |              | 119          |                 | $\perp$         |         |         |           | $\perp$   |           |              |   |
|   |                        | 20       | -                    | _        | $\sqcup$        | $\dashv$           | -        |           | $\dashv$ |           | _        | -    | -      | 70              | $\vdash$               | +        | +              | -       |          | ├  | $\vdash \vdash$                                  | -            | -        |              | 120          | $\vdash$        | $\dashv$        | +       | -       | -         | +         | +         | $\vdash$     |   |
|   |                        | 21<br>22 | H                    | _        | $\vdash$        | $\dashv$           | $\dashv$ | +         | ┥        |           | -        | -    |        | 71<br>72        | $\dashv$               | +        | +              | +       | -        | ├-   | -  | -            | -        |              | 121<br>122   | $\vdash$        | $\dashv$        | +       | +       | +         | +         | +         | $\vdash$     |   |
|   |                        | 23       | 1                    | Н        | $\vdash$        | $\dashv$           | $\dashv$ | $\dashv$  | ᆉ        | 十         | -        | ŀ    |        | 73              | $\dashv$               | +        | +              | +       | _        | $\vdash$   |  | 1            | ŀ        |              | 123          |                 | $\dashv$        | +       | +       | +         | +         | +         | $\vdash$     |   |
| 1 |                        | 24       | H                    | Т        |                 | 寸                  | _        | $\dashv$  | ┪        | $\neg$    | 7        |      |        | 74              | $\Box$                 | 1        | $\top$         | $\top$  |          |  |  | 1            | 1        |              | 124          |                 | 7               | 十       | $\top$  | T         | T         | ┪         |              |   |
| į |                        | 25       |                      |          |                 | $\overline{\cdot}$ |          |           |          |           |          |      |        | 75              |                        |          |                |         |          |  |  |              |          |              | 125          |                 |                 | $\Box$  | $\top$  | $\perp$   | I         |           |              |   |
|   |                        | 26       | Ш                    | L        |                 | _                  | _ .      | _         | _        | _         | _        |      |        | 76              |                        | _        | 4              |         | _        | <u> </u>   |  | _ :          |          |              | 126          |                 | _               | 4       | $\perp$ | _         | 1         | 1         | lacksquare   |   |
|   |                        | 27<br>28 | ╫                    | -        | $\vdash$        | $\dashv$           | $\dashv$ | +         | $\dashv$ | $\dashv$  | -        | ŀ    |        | 77<br>78        | $\vdash$               | +        | +              | +       | $\vdash$ | $\vdash$   | $\vdash$   | - ::         | -        |              | 127<br>128   | $\vdash$        | $\dashv$        | +       | +       | +         | +         | +         | -            |   |
|   |                        | 29       | 는                    | -        | -               | +                  | $\dashv$ | +         | +        | $\dashv$  | $\dashv$ | ıŀ   |        | 78<br>79        | $\vdash$               | $\dashv$ | +              | +       | $\vdash$ | $\vdash$   | $\vdash$   | -            | ŀ        |              | 128          | $\vdash$        | +               | +       | +       | +         | +         | +-        | +-           |   |
| } |                        | 30       | ~                    | _        | -               | +                  | +        | $\dashv$  | $\dashv$ | $\dashv$  | -        | ŀ    |        | 80              | $\vdash$               | 十        | +              | +       | _        | $\vdash$   | $\vdash$   |              | ŀ        |              | 130          | $\vdash$        | $\dashv$        | +       | +       | +         | +         | +         | +            |   |
| ĺ |                        | 31       |                      |          | 口               | T                  |          |           |          |           |          |      |        | 81              |                        |          |                | 工       |          |  |  |              | ı        |              | 131          |                 | $\exists$       |         |         | Ţ         |           | ╧         |              |   |
| ĺ |                        | 32       | ī                    |          | П               | $\Box$             |          |           |          |           |          |      |        | 82              |                        | $\Box$   | I              |         |          |  |  |              |          |              | 132          |                 | 耳               | T       | I       |           | I         | $\Box$    |              |   |
| [ |                        | 33       | Щ                    | <u> </u> | $\prod$         | [                  | _        | 4         | _[       | _         | _        |      |        | 83              | $\sqcup$               | $\perp$  | 1              | 4       | <u> </u> | <del> </del>                                     |  | 4            | Ļ        |              | 133          | $\sqcup$        | _               | _       | 4       | _         | 4         | - -       | _            |   |
| } |                        | 34       | μ,                   | _        | $\vdash \vdash$ | +                  | +        | +         | $\dashv$ | $\dashv$  | -        | ii   |        | 84<br>85        | -                      |          | +              | +       | _        | $\vdash$   | $\vdash\vdash$                                   | - :          | -        |              | 134<br>135   |                 |                 | +       | +       | +         | +         | +         | $\vdash$     |   |
| } |                        | 35<br>36 | $\frac{\vee}{\circ}$ | _        | ┼╌┤             | $\dashv$           | +        | +         |          | $\dashv$  | $\dashv$ | ⊪    |        | 86              | $\vdash$               | +        | +              | +       | _        | +  | $\vdash \vdash$                                  | -            | ╬        |              | 136          | $\vdash$        | $\dashv$        | +       | +       | +         | +         | +-        | $\vdash$     |   |
| ŀ |                        | 37       | 0                    | _        | $\vdash$        | $\dashv$           | $\dashv$ | $\dashv$  | 7        | $\dashv$  | -        |      | $\neg$ | 87              | $\vdash$               | $\dashv$ | +              | +       |          | $\vdash$   | <del>                                     </del> | 1            | ŀ        |              | 137          | $\Box$          | $\dashv$        | $\top$  | +       | $\dagger$ | $\dagger$ | $\top$    |              |   |
| į |                        | 38       | Ĭ                    |          |                 |                    |          |           |          |           |          |      |        | 88              |                        |          |                |         |          |  |  | ]::          |          |              | 138          |                 |                 |         |         |           | $\perp$   |           |              |   |
|   |                        | 39       | 4                    |          | $\sqcup$        |                    | _ _      | _         |          |           | _        |      |        | 89              |                        | _ _      | $\perp$        |         | _        | $oxed{\bot}$                                     |  | _ ::         |          |              | 139          |                 | $\dashv$        | $\perp$ | $\perp$ | _         | $\perp$   | $\perp$   |              |   |
|   |                        | 40       | -                    | _        | $\vdash \vdash$ | $\dashv$           | 4        | 4         | 4        | 4         |          | -    |        | 90              | $\vdash \vdash$        | +        | +              | +       | <u> </u> | $\vdash$   |  | 4::          | -        |              | 140          |                 | $\dashv$        | +       | +       | +         | +         | +-        | 1            |   |
| } |                        | 41<br>42 | H                    | _        | $\vdash \vdash$ | $\dashv$           | $\dashv$ | $\dashv$  | -+       | $\dashv$  | -        | ⊪    |        | 91<br>92        | $\vdash$               | +        | +              | +-      | $\vdash$ | $\vdash$   | <del>                                     </del> | - :          | - }-     |              | 141<br>142   | $\vdash$        | $\dashv$        | +       | +       | +         | +         | ┿         | $\vdash$     |   |
| ł |                        | 43       | H                    | _        | +               | $\dashv$           | +        | +         | $\dashv$ | $\dashv$  | -        | #    | _      | 93              | $\dashv$               | $\dashv$ | +              | +       |          | ╁  | $\vdash \vdash$                                  | 1            | ŀ        |              | 143          | $\Box$          | $\dashv$        | 十       | +       | +         | +         | ╅         | $\vdash$     |   |
| Ì |                        | 44       |                      |          |                 | $\top$             |          | $\exists$ |          | $\exists$ |          | ::   |        | 94              |                        | _        |                | 工       |          |  |  |              | ı        |              | 144          |                 |                 |         | J       |           |           |           |              |   |
| į |                        | 45       | 1                    |          |                 |                    |          |           |          |           |          |      |        | 95              |                        |          |                | $\perp$ |          |  |  |              |          |              | 145          |                 |                 | $\Box$  | $\perp$ | $\perp$   | I         |           |              |   |
| [ |                        | 46       | ν,                   | L        | Ц               | $\bot$             |          | 1         |          |           | _        | ::[  |        | 96              | $\Box$                 | _        | 1              | 4_      | <u> </u> | <u> </u>   |  | 4            |          |              | 146          | $\sqcup$        | _               |         | 4       | 4         | 1         | _         | igspace      |   |
| , |                        | 47<br>48 | 7                    | _        | $\vdash \vdash$ | $\dashv$           | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | -        | -    |        | 97<br>98        | $\vdash \vdash$        | +        | +              | +       | <u> </u> | $\vdash$   | ├  | 4            | -        |              | 147<br>148   |                 | +               | +       | 4.      | +         | +         | +-        | $\vdash$     |   |
| ł |                        | 48       | 7                    | $\vdash$ | $\vdash$        | +                  | $\dashv$ | +         | $\dashv$ | $\dashv$  | $\dashv$ | ∷⊦   |        | 98              | $\vdash +$             | +        | +              | +       | -        | +  | ++   | -            | -        |              | 148          | $\vdash$        | +               | +       | +       | +         | +         | +         | $\vdash$     |   |
| ł |                        | 50       | Ť                    | $\vdash$ | $\vdash$        | $\dashv$           | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | H    |        | 100             | $\vdash \uparrow$      | +        | +              | +       | -        | 1-   | 1 +  | -            | ŀ        |              | 150          | $\vdash \vdash$ | $\dashv$        | 十       | +       | +         | +         | +         | +-           |   |
| ı |                        |          |                      | _        |                 |                    |          |           |          |           |          | . :Ľ |        |                 |                        |          |                |         |          | -l   |  | ۰.           | · · · L  |              |              |                 |                 |         |         |           |           |           |              | 1 |

Application No.

Applicant(s)